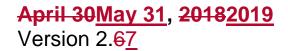# Electronic Data Exchange Standards for Energy Deregulation in New York

## 814 Enrollment Request & Response

## Data Dictionary

~~April 30~~May 31, ~~2018~~2019
Version 2.~~6~~7

| | Summary of Changes |
|---|---|
| **July 20, 2001** | **Initial Release** |
| **August 7, 2002** | **Version 1.1 Issued** |
| | Added REF*AJ (Utility Account Number for ESCO/Marketer) segment.

Renumbered lines and corrected line references as necessary.

Corrected use attribute for the N302 element in the N1*8R and N1*BT loops from 'Required' to 'Conditional' per the October 2, 2001 clarification.  This element is only sent in an Enrollment Accept Response transaction when the street address exceeds 55 characters.

Modified the Comment for the REF*65 (Meter Cycle Code) and REF*BF (Bill Cycle Code) to clarify that these segments are only required on an enrollment accept response.  Corrected use attribute for the REF03 element in the REF*65 (Meter Cycle Code) and REF*BF (Bill Cycle Code) from 'Optional' to 'Conditional' per the October 2, 2001 clarification.

Corrected use attribute for the REF03 element in the REF*TU (Use Time of Day) segment from 'Conditional' to 'Required' per the October 2, 2001 clarification.

Corrected use attribute for the N3 and N4 segments in the N1*BT (Mailing Address) segment from 'Required' to 'Conditional'.  Mailing address information is only sent in an Enrollment Accept Response when the E/M is the bill presenter AND the customers mailing address differs from service address.

Corrected the Comment for the REF03 element in the REF*1P (Response Information or Warnings) segment to refer to details regarding an accept enrollment response.

Modified the Comment for the REF*93 (Fee Approved/Fee Applied) segment to clarify that this segment is applicable to an accept response to a request for consumption history.

Modified the Comment for the following segments to clarify that "accept response" pertains to an enrollment request (versus a secondary request for consumption history): REF*BLT, REF*PC, REF*NR, REF*SU, REF*GC, REF*GS, REF*RP, DTM*150, and all segments in the NM1 loop. |

| November 26, 2002 | | **Version 1.2 Issued** |
|---|---|---|
| | | Added a new AMT segment (AMT*FW) to enable ESCO/Marketers to send fixed charge information when the bill option is Utility Rate Ready consolidated billing. |
| **March 17, 2004** | | **Version 1.3 Issued** |
| | | Added code values to the 02 element in the REF*TU segment to enable Orange & Rockland Utilities, Inc. and Consolidated Edison of New York, Inc. (or other utilities at their option) to describe in more detail in an Accept Response transaction, the type of electric usage data ESCOs can expect to receive in either an 867HU or 867MU transaction.

Added AMT*9M and AMT*9N to enable ESCOs to transmit customer's tax rate information when the bill option requested is Utility Rate Ready consolidated billing and the Utility requires ESCOs to provide this data in an Enrollment transaction.  When different tax rates are applicable to portions of the customers service it will be necessary to send both the AMT*9M (residential tax rate applicable to a portion of the service) and the AMT*9N segment (commercial tax rate applicable) when a REF*RP segment is present in a Request transaction.

Corrected coding and notes associated with the REF*GC (Gas Capacity Assignment/Obligation) segment. |
| **May 17, 2006** | | **Version 2.0 Issued** |
| | | All references to Niagara Mohawk or NMPC are revised to reflect the distribution utility's new name (National Grid).

References to RG&E's use of the Single Retailer Model have been deleted.  This model is no longer offered in Rochester's service territory.

The BGN06 (Reference Identification in the Beginning Segment) element notes are revised to allow for transmitting the text 'MANUAL' in an Enrollment Accept Response transaction initiated by the utility does not have a corresponding Request transaction, for example, an ESCO Referral Program enrollment.

An N106 element is added to the N1*8R (Customer) segment to be used in an Enrollment Accept Response transaction to indicate that the customer enrolled is an ESCO Referral Program participant. |

| | | Version 2.0 Continued |
|---|---|---|
| | | A PER segment is added to the N1 (Customer) Loop to enable utilities to transmit the customer's telephone number in an Accept Response transaction when the customer was enrolled with the E/M through participation in a utility sponsored ESCO Referral Program. |
| | | Code 'FNA' (Fee Not Authorized) was deleted from the list of codes in the REF*7G (Reject Response Reasons) segment. Under the Uniform Business Practices issued August 2, 2004 a utility may no longer impose a charge for providing a customer's consumption history (section 4.2.a.) or a gas profile (section 4.2.b.). |
| | | The REF*93 (Fee Approved/Fee Applied) segment is deleted as unnecessary. Fees may no longer be assessed for the consumption history or gas profile data described in section 4.2. of the Uniform Business Practices. |
| | | A REF03 element was added to the REF*12 segment (Utility Account Number) for use on Enrollment Requests sent to or received from Orange & Rockland Utilities when a request pertains to enrolling the un-metered portion of a customer's electric service when both metered and un-metered service are present on the same account. |
| | | The usage attributes for the REF*PC (Bill Calculator) and REF*BLT (Bill Calculator) are revised. These segments are required in Enrollment Request and Enrollment Accept Response transactions. The segment notes are also revised to clarify the use of these segments in National Fuel's service territory where both Utility Rate Ready consolidated billing and Single Retailer is offered. |
| | | The notes for codes in the REF02 element of the REF*BLT and REF*PC segments are revised to clarify which codes should be transmitted for the Single Retailer Model (National Fuel Gas only). |
| | | The REF03 element note for the REF*BLT (Bill Presenter) segment is revised to omit reference to the UBP. |
| | | A REF*LF (E/M Late Fees) segment was added at the account level to enable E/Ms to communicate in an Enrollment Request transaction whether National Fuel Gas should calculate and assess E/M late fees when the customer's bill option is Utility Rate Ready consolidated billing. |
| | | The REF*ALC (Human Needs Customer) segment notes are revised to indicate that this segment is required by National Grid only on gas enrollment requests for non-residential customers. |

|  |  | **Version 2.0 Continued** |
|---|---|---|
|  |  | Two segments were added at the account level to enable E/Ms to communicate to National Fuel Gas in an Enrollment Request transaction a customer's budget plan installment and pre-existing budget plan balance.  The AMT*BD (E/M Budget Plan Balance) and AMT*B5 (E/M Budget Plan Installment Amount) are sent when a REF*NR (Current Budget Billing Status) segment is present in a Request transaction and the bill option for the customer being enrolled is Utility Rate Ready consolidated billing. |
|  |  | The AMT*RJ (Commodity Price), AMT*FW (E/M Fixed Charge) and REF*RB (ESCO Rate Code) segment notes are revised to accommodate Enrollment Accept Response transactions for ESCO Referral Program enrollments initiated by the utility.  AMT*RJ and AMT*FW may contain zeros or dummy codes in these Response transactions because the utility may be unable to provide the discounted commodity price for the customer enrolled at the time the Accept Response transaction is sent. |
|  |  | The usage attribute for the REF*RB segment in an Enrollment Accept Response transaction is changed from 'Not Used' to 'Conditional'; National Grid may send this segment in an Accept Response transaction for ESCO Referral Program enrollments to provide the E/M with the rate code applicable to Referral Program participants. |
|  |  | The element note for the NM109 element is revised to add a reference pertaining to the handling of un-metered service on an electric account in Orange & Rockland's service territory. |
|  |  | All line references in the Comments column are updated. |
| **October 23, 2014** |  | **Version 2.1** |
|  |  | Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary. |
|  |  | Replaced references to Marketer and E/M with ESCO. |
|  |  | Adding these new segments from Case - 12-M-0476:<br><br>REF*IJ (Industrial Classification Code),<br>REF*TX (Utility Tax Exempt Status),<br>REF*TDT (Account Settlement Indicator),<br>REF*YP (NYPA Discount Indicator),<br>REF*SG (Utility Discount)<br>DTM*AB2 (ICAP Tag Effective Dates)<br>AMT*8B (Future ICAP Tag)<br>DTM*AB4 (Future ICAP Tag Effective Dates) |

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|---|---|---|
| | | **Version 2.1 Continued** |
| | | Adding AMT03 field to the AMT*KZ segment to accommodate the ICAP Special Program Indicator Code. |
| **April 7, 2015** | | **Version 2.2** |
| | | • Added code SP to N1 Name (Customer) to enable Service Portability. |
| | | • Additional utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary |
| | | • Deletion of references to ESCO Referral Programs |
| | | • Rows renumbered, as appropriate with corresponding adjustments to Comments, as necessary. |
| **July 20, 2015** | | **Version 2.3** |
| | | • Changes permitting ESCOs and Utilities to send email and facsimile info in the PER segment. |
| | | • Rows renumbered, as appropriate with corresponding adjustments to Comments, as necessary. |
| | | • Corrected acronym for North American Industry Classification System. |
| **January 29, 2016** | | **Version 2.4** |
| | | • Modification to notes for REF*GC (Gas Capacity Assignment/Obligation) Segment to correspond to Orders issued in Case No. 07-G-0299. |
| | | • Addition of Ref. Des. AMT03 to AMT Monetary Amount (Future ICAP) Segment to indicate presence of Special Program Adjustment Indicator. |
| | | • Updated line numbers as needed. |
| **March 31, 2017** | | **Version 2.5** |
| | | • New LIN05 values added to support Interval Usage Option requests. |
| | | • Added REF*1P values to support Interval Usage requests. |
| | | • New Segment REF*IU added to support Interval Usage Option requests. |
| | | • Update to usage of Meter Cycle Code (REF*65) segment. |
| **April 30, 2018** | | **Version 2.6** |
| | | • New Segment REF*5E added to support communication of customer APP Status. |
| | | • New Segment REF*PG added to support Public Aggregation. |
| **May 31, 2019** | | **Version 2.7** |
| | | • New optional REF*KY segment added to indicate whether the account has associated generation. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Transaction Set Header | None | ST | HDR | 10 | 1 | Transaction Set Identifier Code | Indicates Type of transaction | 814 | ID(3/3) | Required | Required | |
| 2 | Transaction Set Header | None | ST | HDR | 10 | 2 | Transaction Set Control Number | Number generated by senders system | ID# | AN(4/9) | Required | Required | |
| 3 | Beginning Segment | None | BGN | HDR | 20 | 1 | Transaction Set Purpose Code | Purpose of transaction | Request =13 Response =11 | ID(2/2) | Required | Required | |
| 4 | Beginning Segment | None | BGN | HDR | 20 | 2 | Reference Identification | Unique and permanent ID for this transaction | ID# | AN(1/30) | Required | Required | |
| 5 | Beginning Segment | None | BGN | HDR | 20 | 3 | Date | Date transaction was created in senders system | CCYYMMDD | DT(8/8) | Required | Required | |
| 6 | Beginning Segment | None | BGN | HDR | 20 | 6 | Reference Identification | When BGN01=11, this element is the BGN02 from the original Request transaction or the text 'MANUAL' when a Response transaction does not have a corresponding Request transaction, for example in off-line enrollments. | ID# or MANUAL | AN(1/30) | Not Used | Required | When a Request transaction is sent by the ESCO the corresponding utility Response transaction should contain the BGN02 id from the Request transaction to enable the recipient to cross reference the response with the request transaction.  This is particularly helpful when the Request transaction contains multiple requests in the LIN loop and the utility sends multiple responses in separate 814 Response transactions.   When an Enrollment Accept Response transaction is initiated by the utility and there is no corresponding Request transaction, for example, in an off-line enrollment, the BGN06 element will contain the text 'MANUAL'. |
| 7 | Name (ESCO) | NI Loop | N1 | HDR | 40 | 1 | Entity Identifier Code | Code identifying the ESCO in this transaction | SJ | ID(2/3) | Required | Required | |
| 8 | Name (ESCO) | NI Loop | N1 | HDR | 40 | 2 | Name | literal name of the ESCO | free form text | AN(1/60) | Optional | Optional | ESCO name is not necessary but may be provided by mutual agreement of the trading partners. |
| 9 | Name (ESCO) | NI Loop | N1 | HDR | 40 | 3 | Identification Code Qualifier | Indicates type of ID number that will be sent in the  N104 element of this segment | 1=DUNS # 9=DUNS#+4 24=Federal Tax ID | ID(1/2) | Required | Required | |
| 10 | Name (ESCO) | NI Loop | N1 | HDR | 40 | 4 | Identification Code | ID number for ESCO | ID# | AN(2/80) | Required | Required | |
| 11 | Name (Utility) | NI Loop | N1 | HDR | 40 | 1 | Entity Identifier Code | Code identifying  the utility in this transaction | 8S | ID(2/3) | Required | Required | |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | Name (Utility) | NI Loop | N1 | HDR | 40 | 2 | Name | Literal name of the Utility in this transaction | free form text | AN(1/60) | Optional | Optional | Utility name is not necessary but may be provided by mutual agreement of the trading partners. |
| 13 | Name (Utility) | NI Loop | N1 | HDR | 40 | 3 | Identification Code Qualifier | Indicates type of ID number that will be sent in the N104 element of this segment | 1=DUNS # 9=DUNS#+4 24=Federal Tax ID | ID(1/2) | Required | Required | |
| 14 | Name (Utility) | NI Loop | N1 | HDR | 40 | 4 | Identification Code | ID number for Utility | ID# | AN(2/80) | Required | Required | |
| 15 | Name (Customer) | NI Loop | N1 | HDR | 40 | 1 | Entity Identifier Code | Code identifying the customer in this transaction | 8R | ID(2/3) | Required | Conditional | When an enrollment request is accepted, the customer's service address must be returned in the Enrollment Accept Response transaction. The address information in the N3/N4 segments must be accompanied by "name" information in an N1 segment to comply with X12 requirements. |
| 16 | Name (Customer) | NI Loop | N1 | HDR | 40 | 2 | Name | Literal name of the customer in this transaction | Text or the literal "NAME" | AN(1/60) | Required | Required | When an Enrollment Accept Response is being sent, this element is required. |
| 17 | Name (Customer) | NI Loop | N1 | HDR | 40 | 6 | Entity Identifier Code | Service Portability Indicator | SP | ID(2/3) | Not Used | Conditional | If supported by the Utility, this will be provided by the Utility to indicate when a residential customer that has moved within a Utility's service territory has elected to retain their ESCO service at the new address. |
| 18 | Address Information (Service Address) | NI Loop | N3 | HDR | 60 | 1 | Address Information | Customer Service Address - Street | Text | AN(1/55) | Not Used | Required | When an Enrollment Accept Response is being sent, this element is required. |
| 19 | Address Information (Service Address) | NI Loop | N3 | HDR | 60 | 2 | Address Information (overflow) | If N301 exceeds 55 characters, the overflow is sent in N302 | Text | AN(1/55) | Not Used | Conditional | When an Enrollment Accept Response is being sent and the street address exceeds 55 characters, the overflow is sent in this element. |
| 20 | Geographic Location (Service Address) | NI Loop | N4 | HDR | 70 | 1 | City Name | Customer Service Address - City | Text | AN(2/30) | Not Used | Required | When an Enrollment Accept Response is being sent, this element is required. |
| 21 | Geographic Location (Service Address) | NI Loop | N4 | HDR | 70 | 2 | State or Province Code | Customer Service Address-State | Text | ID(2/2) | Not Used | Required | When an Accept Response is being sent, this element is required. |
| 22 | Geographic Location (Service Address) | NI Loop | N4 | HDR | 70 | 3 | Postal Code | Customer Service Address-zipcode | Text | ID(3/15) | Not Used | Required | When an Enrollment Accept Response is being sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 80 | 1 | Contact Function Code | Code indicating that Customer Contact Info is being provided. | IC | ID 2/2 | Not Used | Conditional | If specified in a Utility Maintained EDI Guide, this segment will be sent by the utility in an Enrollment Accept Response transaction to provide the customer's contact info. |
| 24 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 80 | 3 | Communication Number Qualifier | Code indicating the type of contact info being provided in PER04. | EM – Email Address FX - Facsimile TE - Telephone | ID(2/2) | Not Used | Required | When a PER*IC segment is being sent, this element is required. |
| 25 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 80 | 4 | Communication Number | Customer's Email Address, Facsimile Number or Telephone Number | Free text | AN(1/80) | Not Used | Required | When a PER*IC segment is being sent, this element is required. |
| 26 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 80 | 5 | | Code indicating the type of contact info being provided in PER06 | EM – Email Address FX - Facsimile TE - Telephone | ID(2/2) | Not Used | Optional | When a PER*IC segment is being sent, this element is optional. |
| 27 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 80 | 6 | Communications Identifier | Customer's Email Address, Facsimile Number or Telephone Number | Free text | AN(1/80) | Not Used | Conditional | When a PER05 is sent, this element is required. |
| 28 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 80 | 7 | | Code indicating the type of contact info being provided in PER08 | EM – Email Address FX - Facsimile TE - Telephone | ID(2/2) | Not Used | Optional | When a PER*IC segment is being sent, this element is optional. |
| 29 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 080 | 08 | Communications Identifier | Customer's Email Address, Facsimile Number or Telephone Number | Free text | AN(1/80) | Not Used | Conditional | When a PER07 is sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | Name (Name for Mailing) | NI Loop | N1 | HDR | 40 | 1 | Entity Identifier Code | Code identifying that REF02 contains the name associated with the mailing address on the account. | BT | ID(2/3) | Not Used | Conditional | When an enrollment request is accepted, the customer's mailing address must be returned on the response when the ESCO is the bill presenter and the mailing address is different than the service address.  The address information in the N3/N4 segments must be accompanied by "name" information in an N1 segment to comply with X12 requirements.  If both service and mailing address are being returned in a Response transaction, two N1 segments must be sent.  See examples. |
| 31 | Address Information (Mailing Address) | NI Loop | N1 | HDR | 40 | 2 | Name | Name associated with the mailing address | Text or the literal "NAME" | AN(1/60) | Not Used | Required | When mailing address is being returned, this element is required. |
| 32 | Address Information (Mailing Address) | NI Loop | N3 | HDR | 60 | 1 | Address Information | Mailing Address - Street | Text | AN(1/55) | Not Used | Conditional | When mailing address is being returned, the N3 segment is required. |
| 33 | Address Information (Mailing Address) | NI Loop | N3 | HDR | 60 | 2 | Address Information | If N301 exceeds 55 characters, the overflow is sent in N302 | Text | AN(1/55) | Not Used | Conditional | When mailing address is being returned, this element is only used for the overflow when the street address exceeds 55 characters. |
| 34 | Geographic Location (Mailing Address) | NI Loop | N4 | HDR | 70 | 1 | City Name | Mailing Address - City | Text | AN(2/30) | Not Used | Conditional | When mailing address is being returned, the N4 segment is required. |
| 35 | Geographic Location (Mailing Address) | NI Loop | N4 | HDR | 70 | 2 | State or Province Code | Mailing Address - State/Province | Text | ID(2/2) | Not Used | Required | When mailing address is being returned, this element is required. |
| 36 | Geographic Location (Mailing Address) | NI Loop | N4 | HDR | 70 | 3 | Postal Code | Mailing Address- zipcode | Text | ID(3/15) | Not Used | Required | When mailing address is being returned, this element is required. |
| 37 | Geographic Location (Mailing Address) | NI Loop | N4 | HDR | 70 | 4 | Country Code | Mailing Address- Country Code | Text | ID(2/3) | Not Used | Conditional | This element is not used for domestic mailing addresses. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 80 | 1 | Contact Function Code | Code indicating that Customer Contact Info is being provided. | IC | ID 2/2 | Not Used | Conditional | If specified in a Utility Maintained EDI Guide, this segment will be sent by the utility in an Enrollment Accept Response transaction to provide the Customer's Bill To contact info. |
| 39 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 80 | 3 | Communication Number Qualifier | Code indicating the type of contact info being provided in PER04. | TE - Telephone | ID(2/2) | Not Used | Required | When a PER*IC segment is being sent, this element is required. |
| 40 | Administrative Communications Contact (Customer Contact Info) | N1 Loop | PER | HDR | 80 | 4 | Communication Number | Customer's Telephone Number | Free text | AN(1/80) | Not Used | Required | When a PER*IC segment is being sent, this element is required. |
| 41 | Item Identification | LIN Loop | LIN | DTL | 10 | 1 | Assigned Identification | Unique identifier assigned to this LIN request | Unique ID for each LIN request generated by the sender | AN(1/20) | Required | Required | This identifier by itself, or in conjunction with the BGN 02 identifier on a request must uniquely identify each LIN request item over time. The LIN01 identifier in the request must be returned in the LIN01 in the response to that request. See examples. |
| 42 | Item Identification | LIN Loop | LIN | DTL | 10 | 2 | Product/Service ID Qualifier | Indicates a service is being requested | SH | ID(2/2) | Required | Required | |
| 43 | Item Identification | LIN Loop | LIN | DTL | 10 | 3 | Product/Service ID | Commodity Type | EL or GAS | AN(1/48) | Required | Required | Only one commodity type per 814 transaction (either request or response). |
| 44 | Item Identification | LIN Loop | LIN | DTL | 10 | 4 | Product/Service ID Qualifier | Indicates a service is being requested | SH | ID(2/2) | Required | Required | |
| 45 | Item Identification | LIN Loop | LIN | DTL | 10 | 5 | Product/Service ID | Type of Request | CE=Enrollment GP=Gas Profile HU=Historic Usage HI=Interval Usage History Account Level HG= Interval Usage History Meter Detail Level | AN(1/48) | At least one on every request | At least one on every response | CE is the primary request; all others are secondary requests. If the primary request is rejected the secondary request will also be rejected. The request for history (EITHER HU, GP, HI or HG) is the only secondary request. GP requests are only supported by utilities that provide gas profiles. |
| 46 | Action or Status Indicator | LIN Loop | ASI | DTL | 20 | 1 | Action Code | Indicator of the action or status of the LIN request | 7=Request AC=Acknowledge U=Reject WQ=Accept | ID(1/2) | Required | Required | ASI01 must be "7" for all requests. AC, U, WQ codes are used for responses. A REF1P may be used to provide additional clarification when "AC" is used on the response. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | Action or Status Indicator | LIN Loop | ASI | DTL | 20 | 2 | Maintenance Type Code | Used to differentiate between inquiries and other actions. | 021=CE 029=GP or HU | ID(3/3) | Required | Required | |
| 48 | Reference Identification (Reject Response Reasons) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains a reason for rejecting the LIN request. | 7G | ID(2/3) | Not Used | Conditional | This segment is required on reject responses. Not all reject codes pertain to all LIN requests. The response may contain more than one reject reason per LIN request. |
| 49 | Reference Identification (Reject Response Reasons) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | | refer to codes listed in 814e IG | AN(1/30) | Not Used | Required | When a REF*7G is being sent this element is required. A13 should only be used infrequently, i.e. when none of the other codes are sufficient. |
| 50 | Reference Identification (Reject Response Reasons) | LIN Loop | REF | DTL | 30 | 3 | Description | Used to qualify an A13 or other codes sent in REF02 | text | AN(1/80) | Not Used | Conditional | When REF02=A13, this element must be sent to clarify the reject reason. REF03 may also be used to provide further clarification of the reject reason when REF02 contains other codes. |
| 51 | Reference Identification (Response Information or Warnings) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains information associated with an accepted LIN request. | 1P | ID(2/3) | Not Used | Optional | This segment may be sent to assist in clarifying an Accept Response. |
| 52 | Reference Identification (Response Information or Warnings) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | | A13, API, FRB, HUL, 101, 102, NIA, NMA | AN(1/30) | Not Used | Optional | |
| 53 | Reference Identification (Response Information or Warnings) | LIN Loop | REF | DTL | 30 | 3 | Description | Used to qualify an A13 in REF02 | text | AN(1/80) | Not Used | Conditional | This element must be sent when REF02 in this segment = A13 or API to clarify the details of the accept response. When REF02 contains FRB, 101 or 102, a REF03 may be sent to provide further clarification. |
| 54 | Reference Identification (ESCO Customer Account Number) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that the REF02 element contains the ESCO assigned account number for the customer | 11 | ID(2/3) | Conditional | Optional | Required on a request for enrollment when the Utility will be the bill presenter. May be returned on an Accept Response at the discretion of the parties. |
| 55 | Reference Identification (ESCO Customer Account Number) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Customer's account number | Account # | AN(1/30) | Required | Optional | When a REF*11 is sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | Reference Identification (Utility Account Number) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that the REF02 element contains the Utility assigned account number for the customer | 12 | ID(2/3) | Required | Required | The customer's utility number is used for validation and must be present in all transactions. |
| 57 | Reference Identification (Utility Account Number) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Customer's account number | Account # | AN(1/30) | Required | Required | When a REF*12 is sent, this element is required. |
| 58 | Reference Identification (Utility Account Number) | LIN Loop | REF | DTL | 30 | 3 | Description | Un-metered service designator (electric accounts only) | U | AN(1/80) | Conditional | Conditional | This element is only sent in Requests to, or provided in Responses from, a utility that elects this business practice in its Utility Maintained EDI Guide when the ESCO is enrolling only the un-metered service on an electric account that includes both metered and un-metered service. When the Request pertains to all service on an electric account this element is not used. The electing utility's Response transaction will contain this element if present in the Request transaction. |
| 59 | Reference Identification (Previous Utility Account Number) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the Utility's previous account number for the customer | 45 | ID(2/3) | Not Used | Conditional | Required if Utility customer account number has changed within the last 90 days |
| 60 | Reference Identification (Previous Utility Account Number) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Customer's old account number | Account # | AN(1/30) | Not Used | Required | When a REF*45 is returned, this element is required. |
| 61 | Reference Identification (Utility Account Number for ESCO) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains a Utility assigned account number for the ESCO. | AJ | ID(2/3) | Conditional | Conditional | This segment may be provided on requests and responses by mutual agreement of the trading partners. |
| 62 | Reference Identification (Utility Account Number for ESCO) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Utility account number for the ESCO | Account # | AN(1/30) | Required | Required | When a REF*AJ is being sent, this element is required. |
| 63 | Reference Identification (Meter Cycle Code) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the meter cycle code for the account being enrolled. | 65 | ID(2/3) | Not Used | Conditional | This segment must be sent in an Enrollment Accept Response when the Meter Cycle differs from the Bill Cycle (REF*BF). |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | Reference Identification (Meter Cycle Code) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | | Meter cycle code | AN(1/30) | Not Used | Required | When a REF*65 is sent, this element is required. |
| 65 | Reference Identification (Meter Cycle Code) | LIN Loop | REF | DTL | 30 | 3 | Description | Description of the normal reporting period covered by usage data to be sent on the 867. | MON, BIM, QTR, | AN(1/80) | Not Used | Conditional | When a REF*65 is sent, this element may be sent if the data in REF02 is not sufficiently descriptive. |
| 66 | Reference Identification (Bill Cycle Code) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that the data contained in REF02/03 describes the bill cycle for the customer being enrolled | BF | ID(2/3) | Not Used | Conditional | This segment must be sent in an Enrollment Accept Response. |
| 67 | Reference Identification (Bill Cycle Code) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Number indicating billing cycle. | cycle code | AN(1/30) | Not Used | Required | When a REF*BF is sent, this element is required. |
| 68 | Reference Identification (Bill Cycle Code) | LIN Loop | REF | DTL | 30 | 3 | Description | text indicating how frequently the customer is billed. | MON, BIM, QTR | AN(1/80) | Not Used | Conditional | When a REF*BF is sent, this element may be sent if the data in REF02 is not sufficiently descriptive. |
| 69 | Reference Identification (Bill Presenter) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating REF02 identifies the bill presenter | BLT | ID(2/3) | Required | Conditional | This segment is required in Enrollment Request and Enrollment Accept Response transactions to request or confirm the customer's bill option. |
| 70 | Reference Identification (Bill Presenter) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | | DUAL, ESP, or LDC | AN(1/30) | Required | Required | When a REF*BLT segment is present, this element is required. ESP should be used when the Single Retailer Model is in effect or there is a Billing Agency relationship between the utility and the ESCO. |
| 71 | Reference Identification (Bill Presenter) | LIN Loop | REF | DTL | 30 | 3 | Description | If REF02=ESP and NY Billing Agency Model will be used. | text = AGENT | AN(1/80) | Conditional | Not Used | If specified in a Utility Maintained EDI Guide, when a REF*BLT segment is sent, this element is required when the ESCO is the bill presenter and will use the NY Billing Agency Model (if that model is supported in the utility's service territory). |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | Reference Identification (Bill Calculator) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating REF02 identifies the bill calculator | PC | ID(2/3) | Required | Conditional | Required in Enrollment Requests and Accept Responses to identify which entity will calculate billed charges. If REF02=LDC in a Request transaction, the ESCO must send either an AMT segment in the LIN loop (AMT*RJ and/or AMT*FW) or a REF*RB in the NM1 Loop or the enrollment request will be rejected. |
| 73 | Reference Identification (Bill Calculator) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Each party calculates their own charges or Utility is the bill calculator | DUAL or LDC | AN(1/30) | Required | Required | When a REF*PC is being sent, this element is required. If the bill option indicated in a Request transaction, via the REF*BLT and REF*PC segments is not offered in the service territory of the recipient utility the transaction will be rejected by every utility except those that elect to will accept the enrollment request but will send a REF 1P indicating "incorrect billing option requested". |
| 74 | Reference Identification (Current Budget Billing Status) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 will contain data on customer's budget billing status with the ESCO (req) and the Utility (resp). | NR | ID(2/3) | Conditional | Conditional | If present on the Request, the customer will be on budget billing with the ESCO. If present on the Enrollment Accept Response, the customer is currently on budget billing with the Utility. |
| 75 | Reference Identification (Current Budget Billing Status) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | The enrolling customer is (resp) or will be (req) on budget billing. | Y | AN(1/30) | Required | Required | When a REF*NR is being sent, this element is required. |
| 76 | Reference Identification (ESCO Late Fees) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 will indicate whether late fees will/will not be assessed by the utility on ESCO past due amounts for account being enrolled (Pay-As-You-Get-Paid Model only). | LF | ID(2/3) | Conditional | Conditional | If specified in a Utility Maintained EDI Guide, this segment is required in Request transactions sent to the utility when the customer's bill option is Utility Rate Ready consolidated billing and the payment method is Pay-As-You-Get-Paid. A utility may choose to return this segment in an Enrollment Accept Response transaction. |
| 77 | Reference Identification (ESCO Late Fees) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Late fees will/will not be assessed by the Billing Party on ESCO past due amounts for account being enrolled. | N2,Y2 | AN(1/30) | Required | Required | This element is required when a REF*LF segment is being sent. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | Reference Identification (Partial Participation Portion) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains data on the load to be supplied by the ESCO for partial requirements customers. | PGC | ID(2/3) | Conditional | Conditional | This segment is required by some utilities when the customer being enrolled is a partial requirements customer, i.e. a portion of the customers load is eligible for special pricing under an Economic Incentive program such as Power for Jobs.   If this segment is applicable to the customer that is being enrolled and is NOT sent, the enrollment request will be rejected. |
| 79 | Reference Identification (Partial Participation Portion) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | ESCO will serve base load or total load. | B (base) or T (total) | AN(1/30) | Required | Required | When a REF*PGC is being sent, this element is required. |
| 80 | Reference Identification (Customer on Life Support) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains data on customers need for life support equipment. | SU | ID(2/3) | Conditional | Optional | Must be present in Request transactions for the Single Retailer Model or the Enrollment may be rejected.  May be returned in an Enrollment Accept Response at the option of the Utility. |
| 81 | Reference Identification (Customer on Life Support) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Indicates whether life support equipment is necessary or is being investigated. | I, N,  or Y | AN(1/30) | Required | Required | When a REF*SU is being sent, this element is required. |
| 82 | Reference Identification (Gas Pool ID) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 identifies the id for the gas pool for the customer being enrolled. | VI | ID(2/3) | Conditional | Conditional | This segment must be sent when the Enrollment Request is for Gas service and the ESCO has been assigned more than one Gas Pool ID for their customers.   Must be returned on the Response if sent on the Request.  If this segment is not present in Requests sent to utilities that require Gas Pool IDs, the enrollment will be rejected. |
| 83 | Reference Identification (Gas Pool ID) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | The pool id for the sub-grouping of customers that the enrolling customer will be assigned to. | ID# | AN(1/30) | Required | Required | When REF*VI is sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
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| 84 | Reference Identification (Gas Capacity Assignment/Obligation) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains data on pipeline capacity | GC | ID(2/3) | Conditional | Conditional | Gas Enrollments Only. This segment is provided to the ESCO by the Utility to convey intended or obligated pipeline capacity requirements necessary to meet the needs of the end use customer as described in its Utility Maintained EDI Guide. Not used when commodity is electric. Required on the Request when supported by the Utility. Will be returned on an Accept Response when received on the Request and supported by the Utility. |
| 85 | Reference Identification (Gas Capacity Assignment/Obligation) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | ESCO will, or must, take assignment of utility's pipeline capacity for the customer being enrolled (Y) or ESCO will arrange for pipeline capacity (N) | Y or N | AN(1/30) | Required | Required | When REF*GC is being sent, this element is required. |
| 86 | Reference Identification (Gas Supply Service Options) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 designates the balancing or storage option for the customer being enrolled. | GS | ID(2/3) | Conditional | Conditional | Gas Enrollments Only. Required on the Request for utilities that indicate a requirement in their Utility Maintained EDI Guides. If not present, the enrollment will be rejected. May be sent in other service territories at the discretion of the utility. Will be returned in an Enrollment Accept Response if sent on the Request and supported by the Utility. |
| 87 | Reference Identification (Gas Supply Service Options) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Balancing or storage option for gas delivery | B or S | AN(1/30) | Required | Required | When REF*GS is being sent, this element is required. |
| 88 | Reference Identification (Gas Supply Service Options) | LIN Loop | REF | DTL | 30 | 3 | Description | Used to qualify the Balancing service option | D or M | AN(1/80) | Conditional | Conditional | If specified in a Utility Maintained EDI Guide, when REF*GS is being sent AND REF02="B", this element must be sent on Requests to the utility to indicate the balancing period (Daily or Monthly). |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
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| 89 | Reference Identification (Human Needs Customer) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code used to specify that the value in REF02 will indicate whether this customer is a human needs customer. | ALC | ID(2/3) | Conditional | Not Used | If specified in a Utility Maintained EDI Guide, this segment should be present in Request transactions sent to the utility when the commodity is GAS and the non-residential customer being enrolled meets the definition of a human needs customer as described in the utility tariffs. This segment may be provided in Enrollment Requests sent to other utilities based on the mutual agreement of the parties. |
| 90 | Reference Identification (Human Needs Customer) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | This customer is a human needs customer (Y) or this customer is NOT a human needs customer (N). | Y or N | AN(1/30) | Required | Not Used | When REF*ALC is sent in the Enrollment Request, this element is required. Please see the segment notes in the IG for a more detailed definition of human needs customers. |
| 91 | Reference Identification (ISO Location Based Marginal Pricing Zones) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 will identify the LBMP zone in which the customer being enrolled resides. | SPL | ID(2/3) | Not Used | Conditional | Must be present on an Accept Response pertaining to electric enrollments. |
| 92 | Reference Identification (ISO Location Based Marginal Pricing Zones) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | | A thru K, M, O, & P | AN(1/30) | Not Used | Required | When a REF*SPL is being sent, this element is required. |
| 93 | Reference Identification (Account Settlement Indicator) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the Account Settlement Indicator for the account requested. | TDT | ID(2/3) | Not Used | Conditional | Required when the service being requested is Electric. |
| 94 | Reference Identification (Account Settlement Indicator) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Code indicating how the usage is settled with NYISO for the account requested. | C=Class Load Shape☐H=Hourly☐M=Mixed | AN(1/30) | Not Used | Required | When REF*TDT is being sent, this element is required. |
| 95 | Reference Identification (NYPA Discount Indicator) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the NYPA Discount Indicator for the account requested. | YP | ID(2/3) | Not Used | Conditional | Required for Electric accounts, if available in the utility's system and the utility does not otherwise provide the indicator through a non-EDI means. |
| 96 | Reference Identification (NYPA Discount Indicator) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Code indicating whether the account requested participates in the NYPA Discount Indicator. | N=No, the customer does not participate in the program ☐Y=Yes, the customer does participate in the program | AN(1/30) | Not Used | Required | When REF*YP is being sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
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| 97 | Reference Identification (Utility Discount Indicator) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the Utility Discount Indicator for the account requested. | SG | ID(2/3) | Not Used | Conditional | Required for non-residential accounts where the customer receives a commodity discount from the utility or a delivery discount that is dependent upon purchase of commodity from the utility. Further, the indicator should be set to "N" in cases where all non-residential customers in a rate class or service receive the same discount or when the delivery discount is portable, i.e. it applies whether the customer purchases commodity from the ESCO or the utility. |
| 98 | Reference Identification (Utility Discount Indicator) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Code indicating whether the account requested receives a Discount or Incentive Rate from the Utility. | N=No, there are no Utility Discounts/Incentive Rates Y=Yes, there are Utility Discounts/Incentive Rates program | AN(1/30) | Not Used | Required | When REF*SG is being sent, this element is required. |
| 99 | Reference Identification (Industrial Classification Code) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the Industrial Classification Code for the account. | IJ | ID(2/3) | Not Used | Conditional | Required when the information is available in the utility's system. |
| 100 | Reference Identification (Industrial Classification Code) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | The Industrial Classification Code for the account. | | AN(1/30) | Not Used | Required | When REF*IJ is being sent, this element is required. |
| 101 | Reference Identification (Industrial Classification Code) | LIN Loop | REF | DTL | 30 | 3 | Description | Code indicating whether REF02 contains the SIC or the NAICS Code. | NAICS=REF02 contains NAICS Code SIC=REF02 contains SIC Code | AN(1/80) | Not Used | Required | When REF*IJ is being sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
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| 102 | Reference Identification (Utility Tax Exempt Status) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the Utility Tax Exempt Status for the account requested. | TX | ID(2/3) | Not Used | Required | This element is required. |
| 103 | Reference Identification (Utility Tax Exempt Status) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Code indicating the Utility's Tax Exempt Status at the time the transaction was created for the account requested. | N=No Exemption, the customer is fully taxed for distribution charges. Y=Yes, the customer has some level of tax exemption for distribution charges. | AN(1/30) | | Required | When REF*TX is being sent, this element is required. |
| 104 | Reference Identification (Portion Taxed Residential) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating portion of a non-residential account that is taxed at a residential rate. | RP | ID(2/3) | Conditional | Optional | This segment must be sent on Requests to utilities that indicate a requirement in their Utility Maintained EDI Guides when the bill option is Utility Rate Ready consolidated billing, the account being enrolled is a non-residential account and a portion of the account is taxed at a residential rate.  This segment may be present in the Enrollment Accept Response at the option of the Utility. |
| 105 | Reference Identification (Portion Taxed Residential) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | | 20 thru 27 | AN(1/30) | Required | Required | When a REF*RP is being sent, this element is required. |
| 106 | Reference Identification (Interval Usage Option) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the Interval Usage Option for the account requested. | IU | ID(2/3) | Optional | Not Used | Used by ESCO to request Interval Usage 867MIU transaction instead of the default Monthly Usage, 867MIU transaction at either the Account Level or at Meter Level for a customer with an interval metered account.  The default usage report is the 867MU transaction.  If this segment REF~IU  is not on the 814E request the Utility will provide the 867MU |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
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| 107 | Reference Identification (Interval Usage Option) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | Code indicating the Interval Usage Option being requested for the account being enrolled. | SUMMARY=Monthly Billed Usage DETAIL=Interval Account Level Usage METERDETAIL=Interval Meter Detail Usage | AN(1/30) | Required | Not Used | When REF*IU is being sent, this element is required. |
| 108 | Reference Identification (APP Status) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that the utility's business systems identifies the customer as currently eligible for APP benefits. | 5E | ID(2/3) | Not Used | Conditional | This segment is required in Enrollment responses for customers billed under ESCO Combined Billing using Single Retailer transactions. |
| 109 | Reference Identification (APP Status) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | | N - No, the customer is not currently eligible for APP benefits. Y - Yes, the customer is currently eligible for APP benefits. | AN(1/30) | Not Used | Required | When a REF*5E is being sent, this element is required. |
| 110 | Reference Identification (Special Meter Configuration) | LIN Loop | REF | DTL | 030 | 01 | Reference Identification Qualifier | Code indicating that REF02 contains the Reference Identification Special Meter Configuration Indicator for the account requested. | KY | ID(2/3) | Not Used I | Conditional | ELECTRIC ONLY. Sent by the Utility to report the customer's Special Meter Configuration. |
| 111 | Reference Identification (Special Meter Configuration) | LIN Loop | REF | DTL | 030 | 02 | Reference Identification | Code indicating an account's Special Meter Configuration. | NETMETER – Account has generation | AN(1/30) | Not Used | Required | When REF*KY is being sent, this element is required. |
| ~~110~~112 | Reference Identification (Public Aggregator) | LIN Loop | REF | DTL | 30 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains a Public Aggregator Code. | PG | ID(2/3) | Conditional | Optional | Required when the account is part of a Public or Private Aggregation Group. Utility may echo back in the Enrollment Response. |
| ~~111~~113 | Reference Identification (Public Aggregator) | LIN Loop | REF | DTL | 30 | 2 | Reference Identification | The Aggregation Code identifying a public or private group that aggregates customers and contracts load on their behalf. | | AN(1/30) | Required | Required | When REF*PG is being sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
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| ~~112~~114 | Date/Time Reference (Assigned Service Start Date) | LIN Loop | DTM | DTL | 40 | 1 | Date/Time Qualifier | Code indicating that REF02 contains the effective date for an enrollment. | 150 | ID(3/3) | Not Used | Conditional | The Utility will provide an effective start date for an enrollment in an Enrollment Accept Response. This date is dependent upon several factors: the date the ESCOs enrollment request was received by the Utility (if applicable), the date new Delivery Service was established for the customer (if applicable) and the customer's meter reading cycle date. |
| ~~113~~115 | Date/Time Reference (Assigned Service Start Date) | LIN Loop | DTM | DTL | 40 | 2 | Date | | CCYYMMDD | DT(8/8) | Not Used | Required | When a DTM*150 is being sent, this element is required. |
| ~~114~~116 | Date/Time Reference (ICAP Effective Dates) | PTD Loop | DTM | DTL | 20 | 1 | Date/Time Qualifier | Code indicating that this DTM segment identifies the effective dates associated with the ICAP data provided. | AB2 | ID 3/3 | Not Used | Optional | The Utility may provide an effective date range for the ICAP data provided in AMT*KZ in an Enrollment Accept Response. |
| ~~115~~117 | Date/Time Reference (ICAP Effective Dates) | PTD Loop | DTM | DTL | 20 | 5 | Date Time Period Format Qualifier | Code indicating that the value sent element 06 in this segment will be a range of Dates Expressed in Format CCYYMMDD-CCYYMMDD. | RD8 | ID 2/3 | Not Used | Required | When a DTM*AB2 is being sent, this element is required. |
| ~~116~~118 | Date/Time Reference (ICAP Effective Dates) | PTD Loop | DTM | DTL | 20 | 6 | Date Time Period | Period expressed in the format CCYYMMDD-CCYYMMDD | | AN 1/35 | Not Used | Required | When a DTM*AB2 is being sent, this element is required. |
| ~~117~~119 | Date/Time Reference (Future ICAP Effective Dates) | PTD Loop | DTM | DTL | 20 | 1 | Date/Time Qualifier | Code indicating that this DTM segment identifies the effective dates associated with the future ICAP data provided. | AB4 | ID 3/3 | Not Used | Optional | The Utility may provide an effective date range for the future ICAP data in AMT*8B in an Enrollment Accept Response. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
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| ~~118~~120 | Date/Time Reference (Future ICAP Effective Dates) | PTD Loop | DTM | DTL | 20 | 5 | Date Time Period Format Qualifier | Code indicating that the value sent element 06 in this segment will be a range of Dates Expressed in Format CCYYMMDD-CCYYMMDD. | RD8 | ID 2/3 | Not Used | Required | When a DTM*AB4 is being sent, this element is required. |
| ~~119~~121 | Date/Time Reference (Future ICAP Effective Dates) | PTD Loop | DTM | DTL | 20 | 6 | Date Time Period | Period expressed in the format CCYYMMDD-CCYYMMDD | | AN 1/35 | Not Used | Required | When a DTM*AB4 is being sent, this element is required. |
| 12~~0~~ | Monetary Amount (ESCO Budget Plan Installment Amount) | LIN Loop | AMT | DTL | 60 | 1 | Amount Qualifier Code | Code indicating that AMT02 contains the installment amount that should appear on the customer's consolidated bill for a budget plan negotiated with the ESCO. | B5 | ID(1/3) | Conditional | Optional | If specified in the Utility Maintained EDI Guide, this segment must be present in Request transactions sent to the utility when REF*BLT=LDC, REF*PC=LDC and REF*NR=Y to provide the monthly budget installment amount the customer is expected to pay under ESCO negotiated budget plan. |
| 12~~1~~3 | Monetary Amount (ESCO Budget Plan Installment Amount) | LIN Loop | AMT | DTL | 60 | 2 | Monetary Amount | Budget Plan Installment Amount | Whole numbers of the form xxx or xx (e.g. 100 or 75) | R(1/18) | Required | Required | When an AMT*B5 segment is sent this element is required. |
| 12~~2~~4 | Monetary Amount (ESCO Budget Plan Balance Amount) | LIN Loop | AMT | DTL | 60 | 1 | Amount Qualifier Code | Code indicating that AMT02 contains the budget plan balance at the time of the current enrollment for the budget plan negotiated between the ESCO and customer. | BD | ID(1/3) | Conditional | Not Used | If specified in the Utility Maintained EDI Guide, this segment must be present in Request transactions sent to the utility when REF*BLT=LDC, REF*PC=LDC, REF*NR=Y to provide a budget plan balance when the customer being enrolled has a budget plan balance for a period prior to the current enrollment |
| ~~123~~125 | Monetary Amount (ESCO Budget Plan Balance Amount) | LIN Loop | AMT | DTL | 60 | 2 | Monetary Amount | Budget Plan Balance Amount | 0.00 or -0.00 | R(1/18) | Required | Not Used | When an AMT*BD segment is sent this element is required. |
| ~~124~~126 | Monetary Amount (Tax Exemption Percent) | LIN Loop | AMT | DTL | 60 | 1 | Amount Qualifier Code | Code indicating that AMT02 indicates that portion of the ESCO's service that is tax exempt for the account being enrolled. | DP | ID(1/3) | Conditional | Not Used | This segment must be sent in an Enrollment Request when the billing option is Utility Rate Ready consolidated billing and some or all of the ESCOs service is tax exempt. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
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| ~~125~~12 7 | Monetary Amount (Tax Exemption Percent) | LIN Loop | AMT | DTL | 60 | 2 | Monetary Amount | 1=100%. Numbers less than one indicate percent. | 0.0000 | R(1/18) | Required | Not Used | When an AMT*DP segment is being sent, this element is required. |
| ~~126~~12 8 | Monetary Amount (Commodity Price) | LIN Loop | AMT | DTL | 60 | 1 | Amount Qualifier Code | Code indicating that AMT02 contains the ESCO commodity price for the account being enrolled when the ESCO will charge a fixed rate per unit of commodity. | RJ | ID(1/3) | Conditional | Conditional | Must be present in an Enrollment Request when the bill option is Utility Rate Ready consolidated billing and the ESCO will charge a fixed price per unit of commodity. Will be returned in an Accept Response if present on the Request. Rate codes cannot be sent in this segment (see REF*RB below). When an Enrollment Accept Response transaction is initiated by the utility but there is no corresponding Request transaction, this segment may contain 00.0 or a dummy number assigned by the utility (in these instances a Change transaction may be sent by the ESCO to provide the actual commodity price, where applicable). |
| ~~127~~12 9 | Monetary Amount (Commodity Price) | LIN Loop | AMT | DTL | 60 | 2 | Monetary Amount | | 0.00 | R(1/18) | Required | Required | When an AMT*RJ segment is being sent, this element is required. See AMT*RJ, AMT*FW and REF*RB for the options available for sending price information to the utility bill calculator. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
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| ~~128~~130 | Monetary Amount (ESCO Fixed Charge) | LIN Loop | AMT | DTL | 60 | 1 | Amount Qualifier Code | Code indicating that AMT02 contains the ESCOs fixed charge per billing period. | FW | ID(1/3) | Conditional | Conditional | Must be present in an Enrollment Request when the bill option is Utility rate ready consolidated billing and the ESCO will assess their customers a fixed charge per billing period in addition to, or in lieu of, a price per unit of commodity. Will be returned in an Accept Response if present on the Request. Rate codes cannot be sent in this segment (see REF*REB Segment below). When an Enrollment Accept Response transaction is initiated by the utility but there is no corresponding Request transaction, this segment may contain 00.0 or a dummy number assigned by the utility (in these instances a Change transaction may be sent by the ESCO to provide the actual commodity price, where applicable). |
| ~~129~~131 | Monetary Amount (ESCO Fixed Charge) | LIN Loop | AMT | DTL | 60 | 2 | Monetary Amount | | 0.00 | R(1/18) | Required | Required | When an AMT*FW segment is being sent, this element is required. |
| ~~130~~132 | Monetary Amount (Customer's Tax Rate for ESCO Charges - 1) | LIN Loop | AMT | DTL | 60 | 1 | Amount Qualifier Code | Code indicating that AMT02 contains the tax rate that should be used by a Rate Ready utility to calculate the taxes applicable to either all ESCO charges or the portion of the ESCO account that is taxed at a residential rate. See REF*RP segment above. | 9M | ID 1/3 | Conditional | Conditional | Where supported by a utility, this segment is sent by an ESCO to provide the tax rate used to calculate taxes on the ESCO charges, at the discretion of the utility, when the customer's bill option is Utility Rate Ready consolidated billing. When an AMT*DP segment is present (Tax Exemption Percent) and the AMT02 element in that segment =1, then the AMT02 element in the 9M segment should contain 0.00. When a REF*RP segment is present (Portion Taxed Residential), then the AMT02 in this segment should contain the tax rate applicable to the residential portion of the ESCO account. If present in a Request transaction, this segment may be echoed back in the Response transaction, at the discretion of the utility. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13~~2~~1 | Monetary Amount (Customer's Tax Rate for ESCO Charges - 1) | LIN Loop | AMT | DTL | 60 | 2 | Monetary Amount | | 0.00 | R(1/18) | Required | Required | When an AMT*9M segment is sent, this element is required. |
| ~~132~~13 4 | Monetary Amount (Customer's Tax Rate for ESCO Charges - 2) | LIN Loop | AMT | DTL | 60 | 1 | Amount Qualifier Code | Code indicating that AMT02 contains the tax rate that should be used by a Rate Ready utility to calculate the taxes applicable to the portion of the ESCO account that is taxed at a commercial rate. See REF*RP segment above. | 9N | ID 1/3 | Conditional | Conditional | Where supported by a utility, this segment is sent, at the discretion of the utility, by an ESCO to provide the tax rate used to calculate taxes on the commercial portion of the ESCO account, when the customer's bill option is Utility Rate Ready consolidated billing and a REF*RP segment is present in the transaction.  If present in a Request transaction, this segment may be echoed back in the Response transaction, at the discretion of the utility. |
| ~~133~~13 5 | Monetary Amount (Customer's Tax Rate for ESCO Charges - 2) | LIN Loop | AMT | DTL | 60 | 2 | Monetary Amount | | 0.00 | R(1/18) | Required | Required | When an AMT*9N segment is sent, this element is required. |
| ~~134~~13 6 | Monetary Amount (ICAP) | LIN Loop | AMT | DTL | 60 | 1 | Amount Qualifier Code | Code indicating that AMT02 contains the ICAP Tag for the electric customer being enrolled. | KZ | ID(1/3) | Not Used | Conditional | Will be returned on an Accept Response for electric enrollment requests when available. |
| ~~135~~13 7 | Monetary Amount (ICAP) | LIN Loop | AMT | DTL | 60 | 2 | Monetary Amount | | 0.0000 | R(1/18) | Not Used | Required | When an AMT*KZ segment is being sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~136~~13 8 | Monetary Amount (ICAP) | LIN Loop | AMT | DTL | 60 | 3 | Special Program Adjustment Indicator | Code indicating if the ICAP tag has been adjusted for a Special Program. | D=No, there is no Special Program Adjustment Indicator related to the ICAP Tag. C=Yes, there is a Special Program Adjustment Indicator related to the ICAP Tag. | ID(1/1) | Not Used | Optional | A general indicator not tied to any specific program. |
| ~~137~~13 9 | Monetary Amount (Future ICAP) | LIN Loop | AMT | DTL | 60 | 1 | Amount Qualifier Code | Code indicating that AMT02 contains the Future ICAP Tag for the electric customer being enrolled. | 8B | ID(1/3) | Not Used | Conditional | Will be returned on an Accept Response for electric enrollment requests when available. |
| ~~138~~14 0 | Monetary Amount (Future ICAP) | LIN Loop | AMT | DTL | 60 | 2 | Monetary Amount | | 0.0000 | R(1/18) | Not Used | Required | When an AMT*8B segment is being sent, this element is required. |
| ~~139~~14 1 | Monetary Amount (Future ICAP) | LIN Loop | AMT | DTL | 60 | 3 | Special Program Adjustment Indicator | Code indicating if the Future ICAP tag has been adjusted for a Special Program. | D=No, there is no Special Program Adjustment Indicator related to the Future ICAP Tag. C=Yes, there is a Special Program Adjustment Indicator related to the Future ICAP Tag. | ID(1/1) | Not Used | Optional | A general indicator not tied to any specific program. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~140~14 2 | Metered or Unmetered Service Point | NM1 Loop | NM1 | DTL | 80 | 1 | Entity Identifier Code | Code indicating that this NM1 loop contains delivery point or meter related information. | MQ | ID(2/3) | Conditional | Conditional | An NM1 Loop is required in a Request transaction when the bill option is Utility Rate Ready consolidated billing and the ESCO will communicate pricing information by sending a rate code rather than using the REF*RJ or REF*FW segments in the header. Where there are multiple service points on an account but the same rate code will not apply to each service point, then a separate NM1 Loop must be sent for each service point.  When the same rate code applies to all service points on an account a single NM1 Loop may be sent where the NM109 would be populated with, for example, 'ALL'. In a Request transaction, the NM1 Loop may contain only the NM1~MQ and REF~RB segments. In an Enrollment Accept Response transaction, additional segments may be sent to describe in more detail the type of consumption for each service point. |
| ~141~14 3 | Metered or Unmetered Service Points | NM1 Loop | NM1 | DTL | 80 | 2 | Entity Type Qualifier | Required by X12 | 3 | ID(1/1) | Required | Required | When an NM1~MQ segment is being sent, this element is required. |
| ~142~14 4 | Metered or Unmetered Service Points | NM1 Loop | NM1 | DTL | 80 | 8 | Identification Code Qualifier | Use 32 to indicate that NM109 contains a meter number; Use 93 to indicate that NM109 is not a meter number. | 32 or 93 | ID(1/2) | Required | Required | When an NM1~MQ segment is being sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~143~~145 | Metered or Unmetered Service Points | NM1 Loop | NM1 | DTL | 80 | 9 | Identification Code | | meter # or text ("ALL", or "UNMETERED") | AN(2/80) | Required | Required | When an NM1~MQ segment is being sent, this element is required. When NM108 = 32, NM109 must contain a meter number. When NM108 = 93, NM109 must contain either the literal "UNMETERED" for all unmetered service on the account OR the literal "ALL" for all service delivery points on the account. (See the Comments in REF12 position 03 for the treatment of un-metered service on an electric account.) |
| ~~144~~146 | Reference Identification (Utility Rate Service Class) | NM1 Loop | REF | DTL | 130 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the utility rate class for the customer being enrolled. | NH | ID(2/3) | Not Used | Conditional | This segment must be present in an Enrollment Accept Response. A The payment processing option for utility consolidated billing may be either POR or Pay-As-You-Get Paid and may be determined by the utility through reference to the service class data provided in an Accept Enrollment Response transaction. |
| ~~145~~147 | Reference Identification (Utility Rate Service Class) | NM1 Loop | REF | DTL | 130 | 2 | Reference Identification | | Text | AN(1/30) | Not Used | Required | When a REF*NH segment is being sent, this element is required. |
| ~~146~~148 | Reference Identification (Rate Sub Class) | NM1 Loop | REF | DTL | 130 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the utility rate subclass for the customer being enrolled. | PR | ID(2/3) | Not Used | Conditional | This segment must be present in an Enrollment Accept Response when a rate subclass exists for the account being enrolled. |
| ~~147~~149 | Reference Identification (Rate Sub Class) | NM1 Loop | REF | DTL | 130 | 2 | Reference Identification | | Text | AN(1/30) | Not Used | Required | When a REF*PR segment is being sent, this element is required. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148150 | Reference Identification (Utility Load Profile Group Code) | NM1 Loop | REF | DTL | 130 | 1 | Reference Identification Qualifier | Code indicating that REF02 contains the utility assigned load profile code for the account being enrolled. | LO | ID(2/3) | Not Used | Conditional | This segment must be present in an Enrollment Accept Response when the service is Electric. Load profile codes can be used to look up the load profile associated with the account being enrolled from data posted on the Utility's web site. |
| 149151 | Reference Identification (Utility Load Profile Group Code) | NM1 Loop | REF | DTL | 130 | 2 | Reference Identification | | Text | AN(1/30) | Not Used | Required | When a REF*LO segment is being sent, this element is required. |
| 1520 | Reference Identification (Measurement Type and Reporting Period) | NM1 Loop | REF | DTL | 130 | 1 | Reference Identification Qualifier | Code indicating that REF02 will identify the type of consumption measured by a meter or unmetered service points and the interval between measurements. | MT | ID(2/3) | Not Used | Conditional | This segment must be present in an Enrollment Accept Response transaction to describe the measurement units applicable to each service point on the account being enrolled. |
| 1531 | Reference Identification (Measurement Type and Reporting Period) | NM1 Loop | REF | DTL | 130 | 2 | Reference Identification | | refer to codes listed in 814e IG | AN(1/30) | Not Used | Required | When a REF*MT segment is being sent, this element is required. Use "COMBO" when a meter is capable of measuring more than one type of consumption OR consumption will be reported for more than one interval in a reporting period, such as a time of use meter. For all other meters, this element should contain a code in the first two fields that indicates the type of consumption and a second code in the last three fields that indicates the intervals that are measured. There should be no more than 5 characters in this element. When "COMBO" is sent in the REF*MT segment, the type of measurement and/or reporting intervals for a period for that service point must be described in a REF*TU segment. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1542 | Reference Identification (Use Time of Day) | NM1 Loop | REF | DTL | 130 | 1 | Reference Identification Qualifier | Code indicating that REF02 will qualify the usage data to be sent on this meter in the 867. | TU | ID(2/3) | Not Used | Conditional | This segment must be present in an Accept Response when the commodity type is electric and the REF*MT=COMBO. This segment is used to indicate that a measurement period for a service point is further disaggregated into time of day periods such as on peak, off peak, etc. This segment is also used to describe measurement types when multiple measurement types will be reported on 867 for a single service end point such as a meter that is capable of measuring both demand and kilowatt hours. |
| 1553 | Reference Identification (Use Time of Day) | NM1 Loop | REF | DTL | 130 | 2 | Reference Identification Qualifier | | 41, 42, 43, 45, 49, 50, 51, 57, 58, 73, 74, 75, 84, 85, 86, 87, 88, 89, 90, 91,92, 93, or 94 | AN(1/30) | Not Used | Required | When a REF*TU segment is being sent, this element is required. |
| 1564 | Reference Identification (Use Time of Day) | NM1 Loop | REF | DTL | 130 | 3 | Description | Use this element to describe a meter's capabilities when the MT segment is "COMBO" in the 02 element. Use the codes to describe the meter's capabilities in the 03 element of the TU segment. | Type: K1, K2, K3, K4, K5, or KH Interval: BIM, DAY, MON, QTR, or 001-999 for minutes. | AN(1/80) | Not Used | Required | This element is required in a REF*TU segment to associate the time of day interval in the REF02 element with the unit of measurement. |

| Row No | NY DD Field Name | Loop ID | Segment | Level | Position | Ref Desc | Name | Description | Code | Data Type | Request | Response | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15~~7~~5 | Reference Identification (ESCO Rate Code) | NM1 Loop | REF | DTL | 130 | 1 | Reference Identification Qualifier | Code indicating that REF02 will contain the ESCO rate code associated with the service point(s) identified in the NM1 segment. | RB | ID(2/3) | Conditional | Conditional | Required in an Enrollment Request when the bill option is Utility rate ready consolidated billing and the ESCO charges will be calculated based on rate codes instead of commodity prices. Required in an Enrollment Accept Response when present on the Request. If this segment is required and is not sent, the enrollment request will be rejected. When an Enrollment Accept Response transaction, initiated by a utility that elects this business practice in its Utility Maintained EDI Guide, does not have a corresponding Request transaction, this segment in an Accept Response transaction may contain a rate code specified by the utility in its BSA. |
| 15~~8~~6 | Reference Identification (ESCO Rate Code) | NM1 Loop | REF | DTL | 130 | 2 | Reference Identification Qualifier | | text | AN(1/30) | Required | Required | When a REF*RB segment is being sent, this element is required. |
| 15~~9~~7 | Transaction Set Trailer | None | SE | DTL | 180 | 1 | Number of Included Segments | Number of segments in this transaction. | # | NO 1/10 | Required | Required | Required in all transactions. |
| 16~~05~~8 | Transaction Set Trailer | None | SE | DTL | 180 | 2 | Transaction Set Control Number | | ST02 | AN(4/9) | Required | Required | Required in all transactions. |